

ANNEX XVIII

SPECIAL PROVISIONS REGARDING ANNEX I TO COUNCIL DIRECTIVE 70/156/EEC

3.2.1.1. Working principle: positive ignition/compression ignition⁽¹⁾

Four stroke/two stroke/rotary cycle⁽¹⁾

3.2.2. Fuel: Diesel/Petrol/LPG/NG-Biomethane/Ethanol(E85)/Biodiesel/Hydrogen Four stroke/two stroke/rotary cycle⁽¹⁾

3.2.2.4. Vehicle fuel type: Mono fuel, Bi fuel, Flex fuel Four stroke/two stroke/rotary cycle⁽¹⁾

3.2.2.5. Maximum amount of biofuel acceptable in fuel (manufacturer's declared value): ... % by volume'

3.2.4.2.3.3. Maximum fuel delivery Four stroke/two stroke/rotary cycle⁽¹⁾⁽²⁾: ... mm³/stroke or cycle at an engine speed of: ... min⁻¹ or, alternatively, a characteristic diagram:

3.2.4.2.9. Electronic controlled injection: yes/no⁽¹⁾

3.2.4.2.9. Type(s):

3.2.4.2.9. Description of the system, in the case of systems other than continuous injection give equivalent details:

3.2.4.2.9. Make and type of the control unit:

3.2.4.2.9. Make and type of the fuel regulator:

3.2.4.2.9. Make and type of air-flow sensor:

3.2.4.2.9. Make and type of fuel distributor:

3.2.4.2.9. Make and type of throttle housing:

3.2.4.2.9. Make and type of water temperature sensor:

3.2.4.2.9. Make and type of air temperature sensor:

3.2.4.2.9. Make and type of air pressure sensor:

3.2.4.3.4. System description, in the case of systems other than continuous injection give equivalent details:

3.2.4.3.4. Make and type of the control unit:

3.2.4.3.4. Make and type of air-flow sensor:

3.2.4.3.4. Make and type of micro switch:

3.2.4.3.4. Make and type of throttle housing:

3.2.4.3.4. Make and type of water temperature sensor:

3.2.4.3.4. Make and type of air temperature sensor:

3.2.4.3.4. Make and type of air pressure sensor:

3.2.4.3.5. Make(s):

Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EC) No 692/2008, ANNEX XVIII. (See end of Document for details)

3.2.4.3.5. Type(s):

3.2.8.2.1. Type: air-air/air-water⁽¹⁾

3.2.8.3. Intake depression at rated engine speed and at 100 % load (compression ignition engines only)

Minimum allowable: kPa

Maximum allowable: kPa

3.2.9.3. Maximum allowable exhaust back pressure at rated engine speed and at 100 % load (compression ignition engines only): kPa

3.2.11.1. Maximum lift of valves, angles of opening and closing, or timing details of alternative distribution systems, in relation to dead centres. For variable timing system, minimum and maximum timing:

3.2.12.2. Additional pollution control devices (if any, and if not covered by another heading)

3.2.12.2. Number of catalytic converters and elements (provide the information below for each separate unit):

3.2.12.2. Regeneration systems/method of exhaust after-treatment systems, description:

3.2.12.2. The number of Type 1 operating cycles, or equivalent engine test bench cycles, between two cycles where regenerative phases occur under the conditions equivalent to Type 1 test (Distance 'D' in figure 1 in Annex 13 to UN/ECE Regulation 83):

3.2.12.2. Description of method employed to determine the number of cycles between two cycles where regenerative phases occur:

3.2.12.2. Parameters to determine the level of loading required before regeneration occurs (i.e. temperature, pressure etc.):

3.2.12.2. Description of method used to load system in the test procedure described in paragraph 3.1., Annex 13 to UN/ECE Regulation 83:

3.2.12.2. Normal operating temperature range (K):

3.2.12.2. Consumable reagents (where appropriate):

3.2.12.2. Type and concentration of reagent needed for catalytic action (where appropriate):

3.2.12.2. Normal operational temperature range of reagent (where appropriate):

3.2.12.2. International standard (where appropriate):

3.2.12.2. Frequency of reagent refill: continuous/maintenance⁽¹⁾ (where appropriate)

3.2.12.2. Make of catalytic converter:

3.2.12.2. Identifying part number:

3.2.12.2. Make of oxygen sensor:

3.2.12.2. Identifying part number:

3.2.12.2. Water cooled system: yes/no⁽¹⁾

3.2.12.2.6 The number of Type 1 operating cycles, or equivalent engine test bench cycle, between two cycles where regeneration phases occur under the conditions equivalent to Type 1 test (Distance 'D' in figure 1 in Annex 13 to UN/ECE Regulation 83):

3.2.12.2.6 Description of method employed to determine the number of cycles between two cycles where regenerative phases occur:

3.2.12.2.6 Parameters to determine the level of loading required before regeneration occurs (i.e. temperature, pressure, etc.):

3.2.12.2.6 Description of method used to load system in the test procedure described in paragraph 3.1., Annex 13 to UN/ECE Regulation 83:

3.2.12.2.6 Make of particulate trap:

3.2.12.2.6 Identifying part number:

3.2.12.2.7 The following additional information shall be provided by the vehicle manufacturer for the purposes of enabling the manufacture of OBD- compatible replacement or service parts and diagnostic tools and test equipment.

3.2.12.2.7 A description of the type and number of the pre-conditioning cycles used for the original type-approval of the vehicle.

3.2.12.2.7 A description of the type of the OBD demonstration cycle used for the original type-approval of the vehicle for the component monitored by the OBD system.

3.2.12.2.7 A comprehensive document describing all sensed components with the strategy for fault detection and MI activation (fixed number of driving cycles or statistical method), including a list of relevant secondary sensed parameters for each component monitored by the OBD system. A list of all OBD output codes and format used (with an explanation of each) associated with individual emission related power-train components and individual non-emission related components, where monitoring of the component is used to determine MI activation. In particular, a comprehensive explanation for the data given in service \$05 Test ID \$21 to FF and the data given in service \$06 shall be provided. In the case of vehicle types that use a communication link in accordance with ISO 15765-4 'Road vehicles diagnostics on controller area network (CAN) — part 4: requirements for emissions-related systems', a comprehensive explanation for the data given in service \$06 Test ID \$00 to FF, for each OBD monitor ID supported, shall be provided.

3.2.12.2.7 The information required by this section may, be defined by completing a table as follows,

Component	Fault code	Monitoring strategy	Fault detection criteria	MI activation criteria	Secondary parameters	Preconditioning test	Demonstration test
Catalyst	PO420	Oxygen sensor 1 and 2 signals	Difference between sensor 1 and sensor 2 signals	3rd cycle	Engine speed, engine load, A/F mode, catalyst temperature	Two Type 1 cycles	Type 1

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EC) No 692/2008, ANNEX XVIII. (See end of Document for details)

- 3.2.15.1. EC type-approval number according to Council Directive 70/221/EEC (OJ L 76, 6.4.1970, p. 23) (when the Directive will be amended to cover tanks for gaseous fuels) or approval number of UN/ECE Regulation 67'
- 3.2.16.1. EC type-approval number according to Directive 70/221/EEC (when the Directive will be amended to cover tanks for gaseous fuels) or approval number of UN/ECE Regulation 110: ...'
- 3.4. Engines or motor combinations
 - 3.4.1. Hybrid Electric Vehicle: yes/no⁽¹⁾
 - 3.4.2. Category of Hybrid Electric vehicle
 - Off Vehicle Charging/Not Off Vehicle Charging⁽¹⁾
 - 3.4.3. Operating mode switch: with/without⁽¹⁾
 - 3.4.3.1. Selectable modes
 - 3.4.3.1.1. Pure electric: yes/no⁽¹⁾
 - 3.4.3.1.2. Pure fuel consuming: yes/no⁽¹⁾
 - 3.4.3.1.3. Hybrid modes: yes/no⁽¹⁾
(if yes, short description)
 - 3.4.4. Description of the energy storage device: (battery, capacitor, flywheel/generator)
 - 3.4.4.1. Make(s):
 - 3.4.4.2. Type(s):
 - 3.4.4.3. Identification number:
 - 3.4.4.4. Kind of electrochemical couple:
 - 3.4.4.5. Energy: ... (for battery: voltage and capacity Ah in 2 h, for capacitor: J, ...)
 - 3.4.4.6. Charger: on board/external/without⁽¹⁾
 - 3.4.5. Electric machines (describe each type of electric machine separately)
 - 3.4.5.1. Make:
 - 3.4.5.2. Type:
 - 3.4.5.3. Primary use: traction motor/generator
 - 3.4.5.3.1. When used as traction motor: monomotor/multimotors (number):
 - 3.4.5.4. Maximum power: kW
 - 3.4.5.5. Working principle:
 - 3.4.5.5.1. direct current/alternating current/number of phases:
 - 3.4.5.5.2. separate excitation/series/compound⁽¹⁾

3.4.5.5.3. synchronous/asynchronous⁽¹⁾

3.4.6. Control unit

3.4.6.1. Make(s):

3.4.6.2. Type(s):

3.4.6.3. Identification number:

3.4.7. Power controller

3.4.7.1. Make:

3.4.7.2. Type:

3.4.7.6.3. Identification number:

[^{F1}3.4.8. Vehicle electric range ... km (according to Annex 9 to UN/ECE Regulation No 101)]**Textual Amendments**

- F1** Substituted by [Commission Regulation \(EU\) No 566/2011 of 8 June 2011 amending Regulation \(EC\) No 715/2007 of the European Parliament and of the Council and Commission Regulation \(EC\) No 692/2008 as regards access to vehicle repair and maintenance information \(Text with EEA relevance\).](#)

3.4.9. Manufacturer's recommendation for preconditioning:

3.5.2. Fuel consumption (provide for each reference fuel tested)

6.6.1. Tyre/wheel combination(s)

- (a) for all tyre options indicate size designation, load-capacity index, speed category symbol, rolling resistance to ISO 28580 (where applicable)
- (b) for tyres of category Z intended to be fitted on vehicles whose maximum speed exceeds 300 km/h equivalent information shall be provided; for wheels indicate rim size(s) and off-set(s)

9.1. Type of bodywork: (use codes defined in Annex II, section C):

16. Access to vehicle repair and maintenance information

16.1. Address of principal website for access to vehicle repair and maintenance information:

16.1.1. Date from which it is available (no later than 6 months from the date of type approval):

16.2. Terms and conditions of access to website referred to in Section 16.1:

16.3. Format of vehicle repair and maintenance information accessible through website referred to in Section 16.1:

Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EC) No 692/2008, ANNEX XVIII. (See end of Document for details)

- (1) Delete where not applicable (there are cases where nothing needs to be deleted when more than one entry is applicable.)
- (2) Specify the tolerance.

Changes to legislation:

There are currently no known outstanding effects for the Commission Regulation (EC) No 692/2008, ANNEX XVIII.